

The claims defining the invention are as follows:

1 A floor or ground surface waste assembly for receiving floor or appliance generated waste including; a waste body defining a waste collecting receptacle; the waste body including an open mouth for receiving waste products from a floor grate or appliance; an outlet in communication with said mouth for connecting the waste assembly to a waste drainage line for eventual discharge of said waste, said waste body also including a bearing surface which is capable of supporting directly or indirectly a grate or appliance outlet ; wherein the grate or appliance outlet may be positioned at any location within the periphery of the waste body thereby allowing the grate or appliance outlet to be selectively located within a periphery of said waste body to accommodate a predetermined pattern, layout or configuration of floor or ground cladding .

2 A floor or ground surface waste assembly for receiving floor or appliance generated waste including; a waste body defining a waste collecting receptacle; the waste body including an open mouth for receiving waste products from a floor grate or appliance; an outlet connected to said reservoir in communication with said mouth for connecting the waste assembly to a waste drainage line for eventual discharge of said waste, said waste body also including a bearing surface extending at least partially about the periphery of said waste body and which is capable of supporting directly or indirectly a grate or appliance outlet ; wherein said mouth is proportioned to allow selective positioning of a grate or appliance outlet within said mouth within the limits of the periphery of the waste body such that said selective positioning of said grate or appliance outlet obviates the necessity for said appliance outlet or grate to align axially with or be directly connected to underfloor drainage plumbing.

3 A waste assembly according to <sup>claim 1</sup> ~~claim 1 or 2~~ wherein the assembly further

comprises an insert which locates on said bearing surface of said waste body and receives said grate or appliance outlet in a preselected location in or on the insert.

4 A waste assembly according to claim 3 wherein said bearing surface is provided by a shoulder formed in the waste body; the bearing surface terminating in a peripheral wall defining a space in which said insert is placed said bearing surface extending at least partially about the periphery of the waste body.

5 A waste assembly according to claim 4 wherein the insert when inserted in said space in said waste body functions as part of flooring.

6 A waste assembly according to claim 5 wherein said bearing surface includes projections which engage an underside surface of said insert thereby creating a gap between said shoulder and said insert to allow passage of waste therethrough.

7 A waste assembly according to claim 6 wherein said peripheral wall terminates in a peripheral flange; wherein an underside surface engages a floor or support structure.

8 A waste assembly according to claim 7 wherein said outlet for connecting the waste body to said drainage waste line extends from a low point of said reservoir.

9 A waste assembly according to claim 8 wherein said outlet for connecting the waste body to said drainage line extends from a side wall of said reservoir.

10 A waste assembly according to <sup>claim 8</sup> ~~claim 8 or 9~~ wherein the grate or appliance outlet may be selectively positioned in said insert to avoid or intersect with a join or joins in floor cladding.

11 A waste assembly according to claim 10 wherein the mouth of said waste body is square or rectangular.

12 A waste assembly according to claim 11 wherein said insert closes said mouth and receives said grate or appliance outlet.

13 An assembly according to claim 4 wherein the receptacle of said waste body is bowl shaped with said outlet downwardly depending from a low point of said bowl.

14 A waste assembly according to claim 4 wherein said receptacle of said waste body is bowl shaped with said outlet extending laterally from a wall of said waste body.

A 15 A waste assembly according to <sup>claim 13</sup> ~~claim 13 or 14~~ wherein the waste body further comprises an annular peripheral terminating in an annular flange.

16 A waste assembly according to claim 15 wherein the mouth of said waste body is closed by a lid which receives said appliance outlet.

17 A waste assembly according to claim 16 wherein said appliance outlet extends from a toilet pan.

18 A waste assembly for receiving and discharging waste from a waste producing appliance, surface drain or the like in communication with the assembly; the assembly including; a waste body having an open mouth defining a recess for receiving said waste, and an outlet capable of connection to an inlet of drainage plumbing infrastructure allowing discharge of said waste; a closure supported by the waste body for closing said mouth and which receives said surface drain or an outlet of said waste producing appliance; wherein, the closure is proportioned such that an installer of said surface drain or outlet of said appliance may position said drain or appliance outlet at any selected position within the periphery of said waste body thereby obviating the need for direct connection and or axial alignment between said surface drain or appliance outlet and an inlet of said plumbing infrastructure.

19 A waste assembly for connecting an appliance outlet or floor drain to plumbing infrastructure of a building, the waste assembly comprising; a waste body having a wide mouth and defining a reservoir which includes an outlet which connects said waste body

to an inlet to drainage plumbing infrastructure, a closure member closing said mouth and which receives via an opening within said appliance outlet or floor drain; wherein said closure member is of sufficient area to allow a selection of the position of said appliance outlet or drain anywhere within the periphery of the waste body such that the position in the closure of the appliance outlet or floor grate is not dictated by direct axial alignment of said appliance outlet or floor drain with said inlet to drainage plumbing infrastructure.

20 A waste body for use with a waste assembly for collection and discharge of waste from a waste generating appliance or floor waste, the waste body including an open mouth receptacle for receiving said waste and an outlet for discharging said waste received in said receptacle, the waste body further including a bearing surface which receives an insert proportioned to cover said mouth, the insert adapted to receive a grate or outlet of a waste generating appliance positioned in the insert such that the outlet of the waste body connects to and aligns with an inlet to underfloor drainage plumbing whereas said grate or appliance outlet need not align with said inlet to said underfloor plumbing thereby allowing flexibility in the positioning of said floor grate or appliance.

21 In another form the present invention comprises: a grate assembly comprising: a retaining body which engages and is supported by flooring, a moulded shower tray or the like into which the grate assembly is inserted:

a releasable cover retained in said retaining body and which allows waste to flow along and about a surface of said cover;

a perforated strainer plate which allows passage therethrough of waste received from said surface of said cover or from said floor;

an overflow tower which receives said waste in the event of blockage of said perforated strainer plate; wherein removal of said releasable cover allows access to said strainer for

cleaning purposes.

22 A grate assembly according to claim 21 wherein the closure comprises a roof including an external at least partially convex contoured outer surface conducive to runoff drainage and leg members supporting said roof and which releasably engage a recess in said retaining body.

23 A grate assembly according to claim 22 wherein said legs bear on an upper surface of said strainer plate and are releasable from said recess in said retaining body by rotation .

24 A grate assembly according to claim 23, wherein removal of said cover allows access to said upper surface of said strainer plate for cleaning purposes.

25 A grate assembly according to claim 24, wherein said overflow tower comprises a cylindrical body of predetermined height which terminates short of an underside of said cover.

26 A grate assembly according to claim 25 wherein said overflow tower operates in the event that debris blocks perforations on said strainer plate.

27 A grate assembly according to claim 26 wherein the overflow tower includes a handle for removal of said tower.

28 A grate assembly according to claim 27 wherein the retaining body includes an external thread which engages said flooring.

29 A grate assembly according to claim 28 wherein the retaining body further comprises a locking nut screwed into the thread of said retaining body to clamp and seal to an outlet of a shower tray.

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